

Building Site Development

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Muscatine County, Iowa

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
41: Sparta-----	95	Not limited		Very limited cutbanks cave	0.90	Somewhat limited Droughty	0.08
41B: Sparta-----	95	Not limited		Very limited cutbanks cave	0.90	Somewhat limited Droughty	0.08
41D: Sparta-----	95	Somewhat limited Slope	0.16	Very limited cutbanks cave Slope	0.90 0.16	Somewhat limited Slope Droughty	0.16 0.08
51B: Vesser-----	100	Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell	1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Flooding	1.00 0.60	Very limited Depth to saturated zone Flooding	1.00 0.60
63B: Chelsea-----	95	Not limited		Very limited cutbanks cave	0.90	Somewhat limited Droughty	0.37
63C: Chelsea-----	95	Not limited		Very limited cutbanks cave	0.90	Somewhat limited Droughty	0.37
63D: Chelsea-----	100	Somewhat limited Slope	0.63	Very limited cutbanks cave Slope	0.90 0.63	Somewhat limited Slope Droughty	0.63 0.37
63E: Chelsea-----	95	Very limited Slope	1.00	Very limited Slope cutbanks cave	1.00 0.90	Very limited Slope Droughty	1.00 0.37
63G: Chelsea-----	95	Very limited Slope	1.00	Very limited Slope cutbanks cave	1.00 0.90	Very limited Slope Droughty	1.00 0.37

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
65D2: Lindley-----	100	Very limited Low strength Shrink-swell Frost action Slope	1.00 0.50 0.50 0.16	Somewhat limited Slope	0.16	Somewhat limited Slope	0.16
65E2: Lindley-----	100	Very limited Slope Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Slope	1.00	Very limited Slope	1.00
65F: Lindley-----	90	Very limited Slope Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Slope	1.00	Very limited Slope	1.00
65G: Lindley-----	90	Very limited Slope Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Slope	1.00	Very limited Slope	1.00
118: Garwin-----	95	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
119: Muscatine-----	90	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Very limited Depth to saturated zone	0.95	Not limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
120B: Tama-----	100	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Not limited		Not limited	
120B2: Tama-----	100	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Not limited		Not limited	
120C: Tama-----	100	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Not limited		Not limited	
120C2: Tama-----	100	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Not limited		Not limited	
120C3: Tama-----	100	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Not limited		Not limited	
120D2: Tama-----	100	Very limited Frost action Low strength Slope Shrink-swell	1.00 1.00 0.63 0.50	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
120D3: Tama-----	100	Very limited Frost action Low strength Slope Shrink-swell	1.00 1.00 0.63 0.50	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
122: Sperry-----	100	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
133: Colo-----	95	Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell	1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Flooding	1.00 0.80	Very limited Flooding Depth to saturated zone	1.00 1.00
133B: Colo-----	95	Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell	1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Flooding	1.00 0.60	Very limited Depth to saturated zone Flooding	1.00 0.60
135B: Coland-----	100	Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell	1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Flooding	1.00 0.60	Very limited Depth to saturated zone Flooding	1.00 0.60
136: Ankeny-----	100	Somewhat limited Frost action	0.50	Very limited cutbanks cave	0.90	Not limited	
139: Perks-----	90	Very limited Flooding	1.00	Very limited cutbanks cave Flooding	0.90 0.80	Very limited Flooding Droughty	1.00 1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
141: Watseka-----	95	Somewhat limited Frost action Depth to saturated zone	0.50 0.19	Very limited Depth to saturated zone cutbanks cave	1.00 0.90	Somewhat limited Depth to saturated zone Droughty	0.19 0.07
152: Marshan-----	90	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 0.50	Very limited Depth to saturated zone cutbanks cave	1.00 0.90	Very limited Depth to saturated zone	1.00
160: Walford-----	95	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
162B: Downs-----	95	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Not limited		Not limited	
162C: Downs-----	100	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Not limited		Not limited	
162C2: Downs-----	100	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Not limited		Not limited	
162C3: Downs-----	100	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Not limited		Not limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
162D2: Downs-----	100	Very limited Frost action Low strength Slope Shrink-swell	1.00 1.00 0.63 0.50	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
162D3: Downs-----	100	Very limited Frost action Low strength Slope Shrink-swell	1.00 1.00 0.63 0.50	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
163B: Fayette-----	95	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Not limited		Not limited	
163C: Fayette-----	100	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Not limited		Not limited	
163C2: Fayette-----	100	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Not limited		Not limited	
163D: Fayette-----	100	Very limited Frost action Low strength Slope Shrink-swell	1.00 1.00 0.63 0.50	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
163D2: Fayette-----	100	Very limited Frost action Low strength Slope Shrink-swell	1.00 1.00 0.63 0.50	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
163E: Fayette-----	95	Very limited Frost action Low strength Slope Shrink-swell	1.00 1.00 1.00 0.50	Very limited Slope	1.00	Very limited Slope	1.00
163E2: Fayette-----	100	Very limited Frost action Low strength Slope Shrink-swell	1.00 1.00 1.00 0.50	Very limited Slope	1.00	Very limited Slope	1.00
163F: Fayette-----	90	Very limited Slope Frost action Low strength Shrink-swell	1.00 1.00 1.00 0.50	Very limited Slope	1.00	Very limited Slope	1.00
163G: Fayette-----	100	Very limited Slope Frost action Low strength Shrink-swell	1.00 1.00 1.00 0.50	Very limited Slope	1.00	Very limited Slope	1.00
164: Traer-----	95	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
165: Stronghurst-----	95	Very limited Frost action Low strength Depth to saturated zone	1.00 1.00 0.19	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.19

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
173: Hoopeston-----	95	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.19
		Depth to saturated zone	0.19	cutbanks cave	0.90		
174: Bolan-----	90	Somewhat limited Frost action	0.50	Very limited cutbanks cave	0.90	Not limited	
174B: Bolan-----	95	Somewhat limited Frost action	0.50	Very limited cutbanks cave	0.90	Not limited	
175: Dickinson-----	95	Somewhat limited Frost action	0.50	Very limited cutbanks cave	0.90	Not limited	
175B: Dickinson-----	100	Somewhat limited Frost action	0.50	Very limited cutbanks cave	0.90	Not limited	
175C: Dickinson-----	100	Somewhat limited Frost action	0.50	Very limited cutbanks cave	0.90	Not limited	
179D2: Gara-----	95	Very limited Low strength Slope	1.00	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
		Shrink-swell	0.50				
		Frost action	0.50				
179F: Gara-----	95	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
		Low strength	1.00				
		Shrink-swell	0.50				
		Frost action	0.50				

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
212: Kennebec-----	95	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.61	Somewhat limited Flooding	0.60
		Flooding	1.00	Flooding	0.60		
		Low strength	1.00				
		Shrink-swell	0.50				
249B: Zwingle-----	100	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Low strength	1.00				
		Shrink-swell	1.00				
		Frost action	0.50				
291: Atterberry-----	90	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.19
		Low strength	1.00				
		Depth to saturated zone	0.19				
291B: Atterberry-----	90	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.19
		Low strength	1.00				
		Depth to saturated zone	0.19				
293G: Chelsea-----	50	Very limited Slope	1.00	Very limited Slope cutbanks cave	1.00 0.90	Very limited Slope Droughty	1.00 0.53
Fayette-----	35	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
		Frost action	1.00				
		Low strength	1.00				
		Shrink-swell	0.50				

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
313G: Gosport-----	90	Very limited Slope Low strength Shrink-swell Frost action Depth to saturated zone	 1.00 1.00 1.00 0.50 0.03	Very limited Slope Depth to saturated zone Depth to soft bedrock Too clayey	 1.00 1.00 0.46 0.32	Very limited Slope Depth to bedrock Depth to saturated zone Droughty	 1.00 0.46 0.03 0.01
315: Aguolls-----	90	Not rated		Not rated		Not rated	
352B: Whittier-----	95	Very limited Low strength Shrink-swell Frost action	 1.00 0.50 0.50	Very limited cutbanks cave	 0.90	Not limited	
352C: Whittier-----	95	Very limited Low strength Shrink-swell Frost action	 1.00 0.50 0.50	Very limited cutbanks cave	 0.90	Not limited	
352C2: Whittier-----	95	Very limited Low strength Shrink-swell Frost action	 1.00 0.50 0.50	Very limited cutbanks cave	 0.90	Not limited	
352D2: Whittier-----	95	Very limited Low strength Slope Shrink-swell Frost action	 1.00 0.63 0.50 0.50	Very limited cutbanks cave Slope	 0.90 0.63	Somewhat limited Slope	 0.63
450B: Pillot-----	95	Very limited Frost action Low strength Shrink-swell	 1.00 1.00 0.50	Very limited cutbanks cave	 0.90	Not limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
450C2: Pillot-----	95	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Very limited cutbanks cave	0.90	Not limited	
467: Radford-----	98	Very limited Frost action Flooding Low strength Depth to saturated zone	1.00 1.00 1.00 0.19	Very limited Depth to saturated zone Flooding	1.00 0.60	Somewhat limited Flooding Depth to saturated zone	0.60 0.19
467B: Radford-----	98	Very limited Frost action Flooding Low strength Depth to saturated zone	1.00 1.00 1.00 0.19	Very limited Depth to saturated zone Flooding	1.00 0.60	Somewhat limited Flooding Depth to saturated zone	0.60 0.19
479G: Gale-----	90	Very limited Slope Frost action Low strength Shrink-swell	1.00 1.00 1.00 0.50	Very limited Slope cutbanks cave Depth to soft bedrock	1.00 0.90 0.46	Very limited Slope Depth to bedrock	1.00 0.46
480C2: Orwood-----	90	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Not limited		Not limited	
480D2: Orwood-----	100	Very limited Low strength Slope Shrink-swell Frost action	1.00 0.63 0.50 0.50	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
480F2: Orwood-----	100	Very limited Slope Low strength Shrink-swell Frost action	 1.00 1.00 0.50 0.50	Very limited Slope	1.00	Very limited Slope	1.00
481D2: Russell-----	95	Very limited Frost action Low strength Shrink-swell Slope	 1.00 1.00 0.50 0.37	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37
481E2: Russell-----	100	Very limited Frost action Low strength Slope Shrink-swell	 1.00 1.00 1.00 0.50	Very limited Slope	1.00	Very limited Slope	1.00
485: Spillville-----	95	Very limited Flooding Low strength Shrink-swell Frost action	 1.00 1.00 0.50 0.50	Somewhat limited Depth to saturated zone Flooding	 0.61 0.60	Somewhat limited Flooding	0.60
485B: Spillville-----	95	Very limited Low strength Shrink-swell Frost action	 1.00 0.50 0.50	Somewhat limited Depth to saturated zone	0.61	Not limited	
488C2: Newvienna-----	90	Very limited Frost action Low strength Shrink-swell	 1.00 1.00 0.50	Very limited Depth to saturated zone	0.90	Not limited	

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488C3: Newvienna-----	100	Very limited Frost action	1.00	Very limited Depth to saturated zone	0.90	Not limited	
		Low strength Shrink-swell	1.00 0.50				
488D2: Newvienna-----	95	Very limited Frost action	1.00	Very limited Depth to saturated zone	0.90	Somewhat limited Slope	0.63
		Low strength Slope Shrink-swell	1.00 0.63 0.50		0.63		
488D3: Newvienna-----	100	Very limited Frost action	1.00	Very limited Depth to saturated zone	0.90	Somewhat limited Slope	0.63
		Low strength Slope Shrink-swell	1.00 0.63 0.50		0.63		
490: Caneek-----	95	Very limited Depth to saturated zone Frost action Low strength	1.00 1.00 0.22	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
539: Perks-----	85	Very limited Flooding	1.00	Very limited cutbanks cave Flooding	0.90 0.60	Very limited Droughty Flooding	1.00 0.60
566B: Moingona-----	95	Somewhat limited Frost action	0.50	Somewhat limited Depth to saturated zone	0.16	Not limited	
566C: Moingona-----	95	Somewhat limited Frost action	0.50	Somewhat limited Depth to saturated zone	0.16	Not limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
567B: Moingona Variant----	95	Somewhat limited Frost action	0.50	Very limited Depth to saturated zone	0.95	Not limited	
623C2: Rozetta-----	100	Very limited Frost action Low strength	1.00 0.78	Somewhat limited Depth to saturated zone	0.16	Not limited	
623D2: Rozetta-----	100	Very limited Frost action Low strength Slope	1.00 0.78 0.63	Somewhat limited Slope Depth to saturated zone	0.63 0.16	Somewhat limited Slope	0.63
653: Tuskeego-----	95	Very limited Depth to saturated zone Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Depth to saturated zone cutbanks cave	1.00 0.90	Very limited Depth to saturated zone	1.00
680G: Lindley-----	50	Very limited Slope Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Slope	1.00	Very limited Slope	1.00
Douds-----	20	Very limited Slope Frost action	1.00 0.50	Very limited Slope Depth to saturated zone	1.00 0.15	Very limited Slope	1.00
Orwood-----	20	Very limited Slope Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Slope	1.00	Very limited Slope	1.00
684: Elrick-----	90	Somewhat limited Flooding	0.40	Very limited cutbanks cave	0.90	Somewhat limited Droughty	0.08

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727: Udolpho-----	100	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 0.50	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
753B: Thebes-----	95	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Very limited cutbanks cave Depth to dense layer	0.90 0.50	Not limited	
753C: Thebes-----	95	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Very limited cutbanks cave Depth to dense layer	0.90 0.50	Not limited	
753C2: Thebes-----	95	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Very limited cutbanks cave Depth to dense layer	0.90 0.50	Not limited	
753D2: Thebes-----	95	Very limited Frost action Low strength Slope Shrink-swell	1.00 1.00 0.63 0.50	Very limited cutbanks cave Slope Depth to dense layer	0.90 0.63 0.50	Somewhat limited Slope	0.63
759: Fruitfield-----	95	Not limited		Very limited cutbanks cave	0.90	Very limited Too sandy Droughty	1.00 1.00
759B: Fruitfield-----	100	Not limited		Very limited cutbanks cave	0.90	Very limited Too sandy Droughty	1.00 1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
763E3: Exette-----	100	Very limited Frost action Slope Low strength Shrink-swell	1.00 1.00 1.00 0.50	Very limited Slope	1.00	Very limited Slope	1.00
763F3: Exette-----	100	Very limited Slope Frost action Low strength Shrink-swell	1.00 1.00 1.00 0.50	Very limited Slope	1.00	Very limited Slope	1.00
771C2: Waubeek-----	95	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Not limited		Not limited	
771D2: Waubeek-----	100	Very limited Frost action Low strength Slope Shrink-swell	1.00 1.00 0.63 0.50	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
793: Bertrand-----	100	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Very limited cutbanks cave	0.90	Not limited	
826: Rowley-----	90	Very limited Frost action Low strength Depth to saturated zone	1.00 1.00 0.19	Very limited Depth to saturated zone cutbanks cave	1.00 0.90	Somewhat limited Depth to saturated zone	0.19
916B: Downs-----	100	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Very limited cutbanks cave	0.90	Not limited	

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Muscatine County, Iowa

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
916B2: Downs-----	95	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Very limited cutbanks cave	0.90	Not limited	
916C: Downs-----	100	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Very limited cutbanks cave	0.90	Not limited	
916C2: Downs-----	95	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Very limited cutbanks cave	0.90	Not limited	
917B: Fayette-----	95	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Very limited cutbanks cave	0.90	Not limited	
917C: Fayette-----	100	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Very limited cutbanks cave	0.90	Not limited	
917C2: Fayette-----	95	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Very limited cutbanks cave	0.90	Not limited	
917D2: Fayette-----	95	Very limited Frost action Low strength Slope Shrink-swell	1.00 1.00 0.63 0.50	Very limited cutbanks cave Slope	0.90 0.63	Somewhat limited Slope	0.63

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Muscatine County, Iowa

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
920B: Tama-----	95	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Very limited cutbanks cave	0.90	Not limited	
920B2: Tama-----	95	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Very limited cutbanks cave	0.90	Not limited	
920C: Tama-----	100	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Very limited cutbanks cave	0.90	Not limited	
920C2: Tama-----	95	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Very limited cutbanks cave	0.90	Not limited	
920C3: Tama-----	95	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Very limited cutbanks cave	0.90	Not limited	
925: Toolesboro-----	100	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone cutbanks cave	1.00 0.90	Very limited Depth to saturated zone	1.00
930: Orion-----	95	Very limited Frost action Flooding Low strength Depth to saturated zone	1.00 1.00 1.00 0.19	Very limited Depth to saturated zone Flooding	1.00 0.60	Somewhat limited Flooding Depth to saturated zone	0.60 0.19

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Muscatine County, Iowa

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
960: Shaffton-----	95	Very limited Flooding	1.00	Very limited Depth to saturated zone	0.95	Very limited Flooding	1.00
		Shrink-swell	0.50	cutbanks cave	0.90		
		Frost action	0.50	Flooding	0.80		
961: Ambraw-----	98	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Flooding	1.00
		Frost action	1.00	Flooding	0.80	Depth to saturated zone	1.00
		Flooding	1.00				
		Shrink-swell	0.50				
963: Elvers-----	90	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Flooding	1.00
		Frost action	1.00	Content of organic matter	1.00	Depth to saturated zone	1.00
		Flooding	1.00	Flooding	0.80		
977: Richwood-----	100	Very limited Frost action	1.00	Very limited cutbanks cave	0.90	Not limited	
		Low strength	1.00				
		Shrink-swell	0.50				
977B2: Richwood-----	100	Very limited Frost action	1.00	Very limited cutbanks cave	0.90	Not limited	
		Low strength	1.00				
		Shrink-swell	0.50				
1043: Bremer-----	95	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	1.00	cutbanks cave	0.90		
		Low strength	1.00				
		Shrink-swell	1.00				

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Muscatine County, Iowa

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
1212: Kennebec-----	85	Very limited Frost action Flooding Low strength Shrink-swell	1.00 1.00 1.00 0.50	Somewhat limited Flooding Depth to saturated zone	0.80 0.61	Very limited Flooding	1.00
1490: Caneek-----	98	Very limited Depth to saturated zone Frost action Flooding Low strength	1.00 1.00 1.00 0.22	Very limited Depth to saturated zone Flooding	1.00 0.80	Very limited Flooding Depth to saturated zone	1.00 1.00
1520: Coppock-----	95	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 0.50	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
1621: Houghton-----	100	Very limited Depth to saturated zone Subsidence Frost action	1.00 1.00 1.00	Very limited Depth to saturated zone Content of organic matter	1.00 1.00	Very limited Depth to saturated zone Content of organic matter	1.00 1.00
1926: Canoe-----	90	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Very limited Depth to saturated zone cutbanks cave	0.95 0.90	Not limited	
2221: Palms-----	95	Very limited Depth to saturated zone Subsidence Frost action	1.00 1.00 1.00	Very limited Depth to saturated zone Content of organic matter cutbanks cave	1.00 1.00 0.90	Very limited Depth to saturated zone Content of organic matter	1.00 1.00

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Muscatine County, Iowa

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
2226: Elrin-----	90	Very limited Frost action	1.00	Very limited cutbanks cave Depth to saturated zone	0.90 0.61	Not limited	
2490: Caneek Variant-----	95	Not limited		Somewhat limited Depth to saturated zone	0.35	Somewhat limited Droughty	0.29
2587: Dolbee-----	100	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 0.50	Very limited Depth to saturated zone cutbanks cave	1.00 0.90	Very limited Depth to saturated zone	1.00
2636: Radford-----	50	Very limited Frost action Flooding Low strength Depth to saturated zone	1.00 1.00 1.00 0.19	Very limited Depth to saturated zone Flooding	1.00 0.80	Very limited Flooding Depth to saturated zone	1.00 0.19
Hanlon-----	30	Very limited Flooding Frost action	1.00 0.50	Very limited cutbanks cave Flooding Depth to saturated zone	0.90 0.80 0.61	Very limited Flooding	1.00
3133: Colo-----	100	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 0.50	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00

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Muscatine County, Iowa

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
3134: Zook-----	90	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
3135: Coland-----	95	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 0.50	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
3960: Shaffton-----	95	Somewhat limited Shrink-swell Frost action	0.50 0.50	Very limited Depth to saturated zone cutbanks cave	0.95 0.90	Not limited	
3961: Ambraw-----	95	Very limited Depth to saturated zone Frost action Shrink-swell	1.00 1.00 0.50	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
4160: Walford-----	75	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
Urban Land-----	25	Not rated		Not rated		Not rated	
4162C: Downs-----	50	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Not limited		Not limited	

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Muscatine County, Iowa

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Urban Land-----	45	Not rated		Not rated		Not rated	
4163D: Fayette-----	50	Very limited Frost action Low strength Slope Shrink-swell	1.00 1.00 0.63 0.50	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
Urban Land-----	45	Not rated		Not rated		Not rated	
4636: Radford-----	50	Very limited Frost action Flooding Low strength Depth to saturated zone	1.00 1.00 1.00 0.19	Very limited Depth to saturated zone Flooding	1.00 0.60	Somewhat limited Flooding Depth to saturated zone	0.60 0.19
Urban Land-----	45	Not rated		Not rated		Not rated	
4759: Fruitfield-----	45	Not limited		Very limited cutbanks cave	0.90	Very limited Too sandy Droughty	1.00 1.00
Urban Land-----	45	Not rated		Not rated		Not rated	
4960: Shaffton-----	50	Somewhat limited Shrink-swell Frost action	0.50 0.50	Very limited Depth to saturated zone cutbanks cave	0.95 0.90	Not limited	

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Urban Land-----	40	Not rated		Not rated		Not rated	
4977B: Richwood-----	50	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Very limited cutbanks cave	0.90	Not limited	
Urban Land-----	40	Not rated		Not rated		Not rated	
5010: Pits-----	100	Not rated		Not rated		Not rated	
5040: Orthents-----	100	Not rated		Not rated		Not rated	
W: Water-----	100	Not rated		Not rated		Not rated	